

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|---------------------|
| S1 | 251 | (418/241).CCLS. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/03/23 11:00 |
| S2 | 4 | S1 and spring and seal and (oring or o-ring or "o ring") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/14 14:53 |
| S3 | 1892 | (418/54,57,61.1,61.3).CCLS. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/03/14 14:53 |
| S4 | 96 | S3 and spring and (seal or sealing) and (oring or o-ring or "o ring") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/14 15:50 |
| S5 | 118 | (hermetic with compressor) and spring and (seal or sealing) and (oring or "o-ring" or "o ring") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/14 15:50 |
| S6 | 1459 | (418/62,63,64,66,67).CCLS. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/03/14 15:50 |
| S7 | 16 | S6 and spring and (seal or sealing) and (oring or o-ring or "o ring") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/14 15:55 |
| S8 | 679 | (418/91,157,159).CCLS. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/03/14 15:55 |
| S9 | 12 | S8 and spring and (seal or sealing) and (oring or o-ring or "o ring") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/14 16:32 |

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| S10 | 91 | (418/130).CCLS. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/03/14 16:31 |
| S11 | 0 | S10 and spring and (seal or sealing) and (oring or o-ring or "o ring") | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/14 16:32 |
| S12 | 2918 | (277/606,608,609,618-619,370,377,404).CCLS. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/03/26 14:45 |
| S13 | 2918 | 277/606.CCLS. OR 277/608.CCLS. OR 277/609.CCLS. OR 277/618-619.CCLS. OR 277/370.CCLS. OR 277/377.CCLS. OR 277/404.CCLS. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/23 11:02 |
| S14 | 76 | S12 AND ((SEALED OR HERMETIC) WITH (COMPRESSOR OR PUMP)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/23 13:37 |
| S15 | 6 | (S12 AND ((SEALED OR HERMETIC) WITH (COMPRESSOR OR PUMP))) not shaft | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/23 13:41 |
| S16 | 48 | (S12 AND ((SEALED OR HERMETIC) WITH (COMPRESSOR OR PUMP))) not shaft.ab. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/23 14:36 |
| S17 | 183 | S12 and (intake or suction or inlet) and (tube or conduit or pipe) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/23 14:48 |
| S18 | 7267 | hermetic with compressor | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 10:05 |
| S19 | 3581 | (hermetic with compressor).ab. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 10:05 |

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| S20 | 3235 | S19 and compressor.ti. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 10:06 |
| S21 | 34 | S20 and spring and ("o ring" or "o-ring" or oring) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 11:16 |
| S22 | 26 | ("2839898" "3133429" "3238400" "3790309" "3922114" "4059777" "4312627" "4396361" "4477233" "4552518" "4573324" "4741177" "4850816" "4995791" "5322420" "5350039" "5464332" "5623829" "5687766" "6131406").PN. OR ("6634870").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 12:54 |
| S23 | 8 | ("3009012" "4104484" "4420210" "4904551" "5118260" "5215451" "5422437").PN. OR ("5791884"). URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 13:29 |
| S24 | 17 | ("2043849" "3509907" "4988269" "5147189" "5302087" "5346373" "5362216").PN. OR ("5733108"). URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 13:31 |
| S25 | 29 | ("2214086" "2373909" "2973011" "3031861" "3209991" "3401602" "3515497" "3542405" "3767334" "3806977" "3870440" "3871800" "4129503" "4160625" "4240774" "4245858" "4277211" "4518324" "4518330").PN. OR ("4639198"). URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 13:36 |
| S26 | 23 | ("1647447" "1961453" "3767334" "3833984" "3870440" "3871800" "4061367" "Re25653").PN. OR ("4240774").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 13:56 |
| S27 | 152 | (compressor and ((suction or intake) with (seal or sealing))). ab. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 13:58 |

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| S28 | 20 | ("3352564" "3396903" "3509907" "4115044" "4203608" "4385872" "4408967" "4537566" "4635949" "4721443" "4810591").PN. OR ("5022833"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/26 14:16 |
| S29 | 2918 | (277/606,608,609,618- 619,370,377,404).OCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2007/03/26 14:47 |
| S30 | 0 | S29 and (face and (inlet or suction or intake) and (tube or pipe or conduit)).ab. and (("o- ring" or "oring" or "o ring") with groove with face) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 14:48 |
| S31 | 2 | S29 and (face and (inlet or suction or intake) and (tube or pipe or conduit)) and (("o-ring" or "oring" or "o ring") with groove with face) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 14:50 |
| S32 | 7 | S29 and (("o-ring" or "oring" or "o ring") with groove with face with (tube or pipe or conduit)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 15:15 |
| S33 | 7 | (S29 and (("o-ring" or "oring" or "o ring") with groove with face with (tube or pipe or conduit))) not S31 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 14:52 |
| S34 | 24 | ("0329931" "0944423" "1523817" "3224080" "3586350" "3831951" "3981066" "4073307" "4258925" "4519636" "4886303" "5087504").PN. OR ("5564177").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/26 14:52 |
| S35 | 20 | ("1460623" "2885227" "3184247" "3765647").PN. OR ("3831951").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/26 14:56 |
| S36 | 30 | ("2778598" "2861773" "2925994" "3050077" "3054594" "3131906" "3210042" "3421733" "3565392" "3618893").PN. OR ("3765647").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/26 14:59 |
| S37 | 21 | ("0329931" "1523817" "3586350" "3831951" "4258925" "4519636" "4886303" "5087504").PN. OR ("5490680").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/26 15:04 |

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| S38 | 5 | S29 and (seal with face with (tube or pipe or conduit) with spring) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 15:16 |
| S39 | 7 | S29 and (seal with face with (tube or pipe or conduit or "air shaft" or "ventilating shaft" or duct) with spring) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 15:20 |
| S40 | 2 | (S29 and (seal with face with (tube or pipe or conduit or "air shaft" or "ventilating shaft" or duct) with spring)) not S38 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 15:21 |
| S41 | 116 | (S29 and (seal with face with (tube or pipe or conduit or "air shaft" or "ventilating shaft" or duct))) not S39 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 15:22 |
| S42 | 47 | (S29 and (seal with face with (tube or pipe or conduit or "air shaft" or "ventilating shaft" or duct)) and spring) not S39 | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/26 15:23 |
| S43 | 10 | ("4684004" "5054743" "5163722" "5222631" "5419013" "5848780" "5960841" "5993412").PN. OR ("6129361").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 15:27 |
| S44 | 17 | ("1528334" "2818285" "2992842" "3033579" "3080170").PN. OR ("4786061").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 15:31 |
| S45 | 26 | ("2839898" "3133429" "3238400" "3790309" "3922114" "4059777" "4312627" "4396361" "4477233" "4552518" "4573324" "4741177" "4850816" "4995791" "5322420" "5350039" "5464332" "5623829" "5687766" "6131406").PN. OR ("6634870").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 16:02 |
| S46 | 10 | ("2867458" "2997435" "3469862" "3488067" "3850796").PN. OR ("4055199").URPN. | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 17:06 |
| S47 | 375 | "418".das. and compressor and hermetic and spring | US-PGRUB; USPAT; USOCR | OR | ON | 2007/03/26 17:33 |

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| S48 | 19 | compressor and (intake with metal with (seal or "o ring" or "o-ring")) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/27 08:42 |
| S49 | 41202 | ((metal and seal).ab. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/27 08:43 |
| S50 | 30 | ((metal and seal).ab. and compressor and intake | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/27 08:46 |
| S51 | 15 | ((metal with ("o-ring" or "o ring" or seal) with (intake or inlet or duct)) and compressor.ab. and shaft | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/27 08:48 |
| S52 | 830 | "277".clas. and ((metal or metallic) with ("o ring" or "o-ring" or seal) with (benefit or advantage or improved or better or characteristic)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/27 12:31 |
| S53 | 82 | "277".clas. and ((metal or metallic) with ("o ring" or "o-ring" or seal) with (benefit or advantage or improved or better or characteristic)) and compressor | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/03/27 12:32 |
| S54 | 50 | "418".clas. and ("scroll compressor" with (expander or generator)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/20 14:33 |
| S55 | 6 | "418".clas. and ("scroll compressor" with (expander or generator) with hermetic) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/20 14:35 |
| S56 | 67 | "418".clas. and ("scroll compressor" with rotat\$3 with (expand\$3 or generat\$3)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/20 14:37 |
| S57 | 6 | "418".clas. and ("scroll compressor" with rotat\$3 with (expand\$3)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/20 14:39 |

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| S58 | 0 | "418".clas. and ("scroll compressor" with rotat\$3 with motor with generator) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/20 14:40 |
| S59 | 1 | "418".clas. and ("scroll compressor" with rotat\$3 with generator) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/20 14:42 |
| S60 | 7 | "418".clas. and ("scroll compressor" near4 (used or utilized) near4 (generator or expander)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/20 14:47 |
| S61 | 1 | "418".clas. and "scroll generator" | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2007/09/20 14:47 |
| S62 | 2 | ("5720602").PN. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2008/05/20 07:31 |
| S63 | 0 | "scroll compressor".ab. and (springs same vibrat\$5 same (shell or housing or container)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/05/20 07:45 |
| S64 | 11 | scroll.ab. and (springs same vibrat\$5 same (shell or housing or container)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/05/20 07:45 |
| S65 | 63 | "scroll compressor".ab. and (springs with (shell or housing or container)) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/05/20 07:47 |
| S66 | 2 | ("6761239").PN. | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | OFF | 2008/05/20 09:16 |
| S67 | 2 | ("backpressure" with bad with exhaust) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/05/20 09:17 |

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| S68 | 51 | ("backpressure" with need\$3 with exhaust) | US-PGRUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT | OR | ON | 2008/05/20 09:18 |
| S69 | 12 | ("2239262" "4817374" "4860538" "4896504" "4939898" "4999999" "5630571" "6371236" "6425451" "6655134").FN. OR ("6761239").URFN. | US-PGRUB; USPAT; USOCR | OR | ON | 2008/05/20 09:31 |
| S70 | 12 | ("2239262" "4817374" "4860538" "4896504" "4939898" "4999999" "5630571" "6371236" "6425451" "6655134").FN. OR ("6761239").URFN. | US-PGRUB; USPAT; USOCR | OR | ON | 2008/05/20 09:46 |
| S71 | 0 | "backpressure" with "pulsation effect" | US-PGRUB; USPAT; USOCR | OR | ON | 2008/05/20 09:48 |
| S72 | 2 | "back pressure" with "pulsation effect" | US-PGRUB; USPAT; USOCR | OR | ON | 2008/05/20 09:48 |
| S73 | 422 | "pulsation effect" | US-PGRUB; USPAT; USOCR | OR | ON | 2008/05/20 09:57 |
| S74 | 5 | "pulsation effect" same "back pressure" | US-PGRUB; USPAT; USOCR | OR | ON | 2008/05/20 09:57 |
| S75 | 0 | "pulsation effect" same "backpressure" | US-PGRUB; USPAT; USOCR | OR | ON | 2008/05/20 09:57 |
| S76 | 22 | S73 and ("engine speed" with pressure) | US-PGRUB; USPAT; USOCR | OR | ON | 2008/05/20 10:01 |
| S77 | 7 | S73 and (("engine speed" with pressure) same puls\$6) | US-PGRUB; USPAT; USOCR | OR | ON | 2008/05/20 10:02 |

5/ 20/ 2008 12:02:41 PM

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